

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014484.D
 Acq On : 28 Jun 2023 16:32
 Operator : KP/MD
 Sample : 03413-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-062623RE

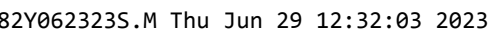
Quant Time: Jun 29 02:19:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	92	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	187	163.710	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	327.420%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.173	98	494	37.112	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.220%
62) 4-Bromofluorobenzene	12.483	95	39	8.207	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	16.420%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	22	26.324	ug/l #	43
6) Chloroethane	2.577	64	23	38.121	ug/l #	44
10) Methyl Iodide	4.070	142	19	18.817	ug/l #	38
16) Acetone	3.900	43	20	55.644	ug/l #	46
36) 1,1-Dichloropropene	8.088	75	51	9.883	ug/l #	41
41) Methacrylonitrile	7.253	41	46	26.101	ug/l #	17
48) Methyl methacrylate	9.258	41	28	9.601	ug/l #	13
74) N-amyl acetate	12.142	43	47	36.733	ug/l #	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jun 29 02:19:23 2023
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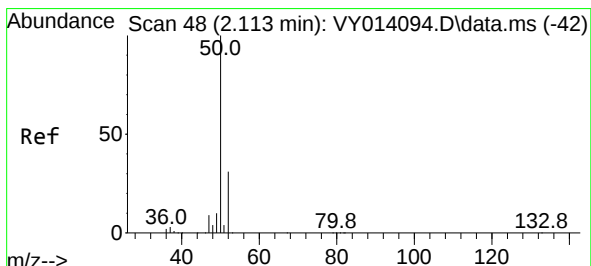
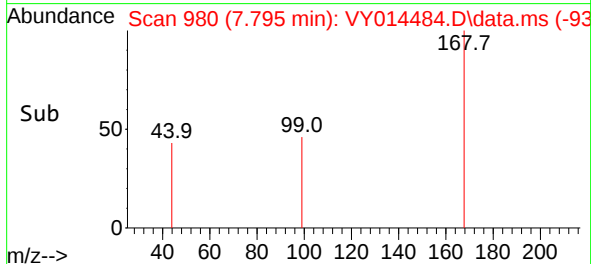
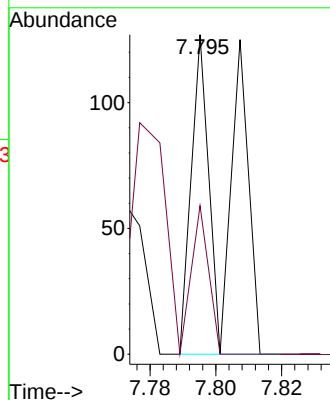
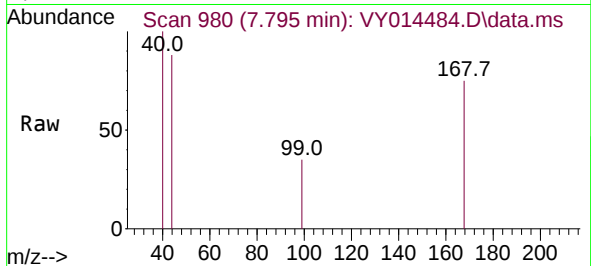




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

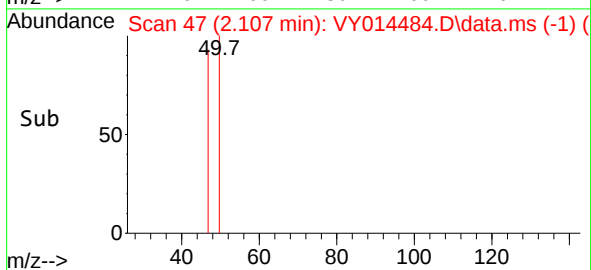
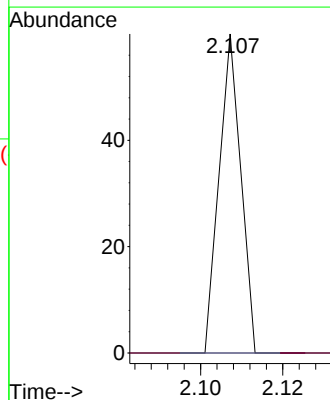
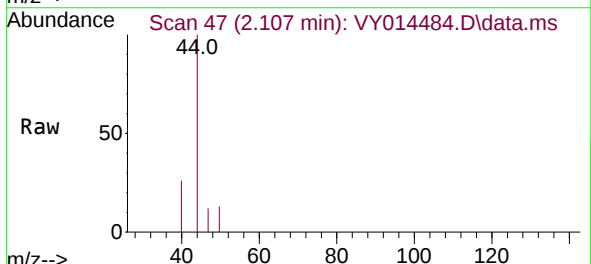
Instrument :
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ClientSampleId :
OR-02-062623RE

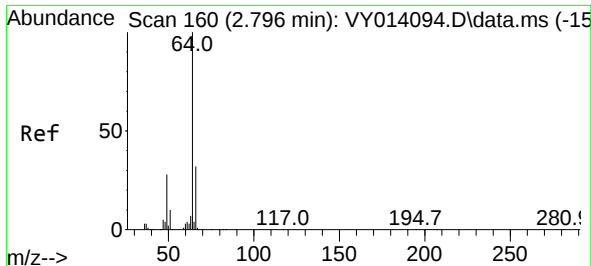
Tgt Ion:168 Resp: 92
Ion Ratio Lower Upper
168 100
99 46.5 43.4 65.0



#3
Chloromethane
Concen: 26.324 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Tgt Ion: 50 Resp: 22
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

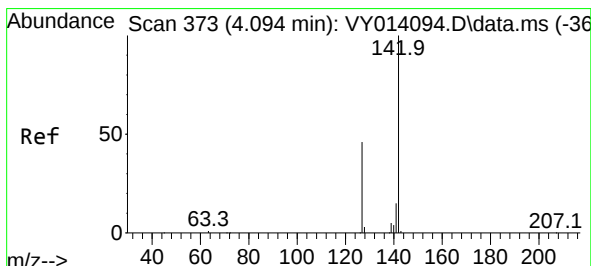
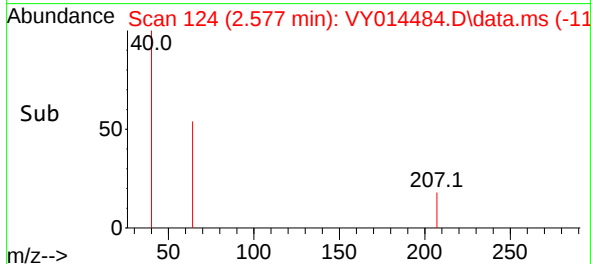
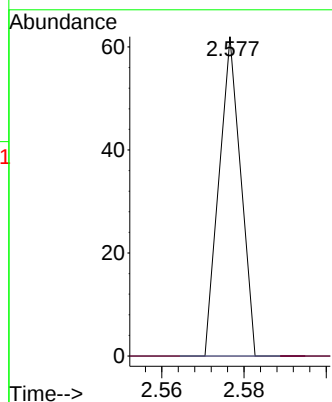
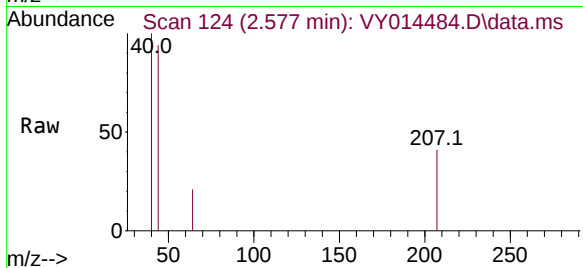




#6
Chloroethane
Concen: 38.121 ug/l
RT: 2.577 min Scan# 11
Delta R.T. -0.219 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

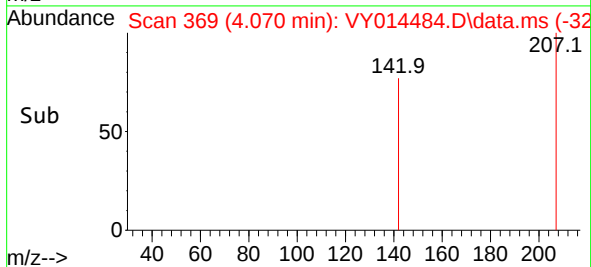
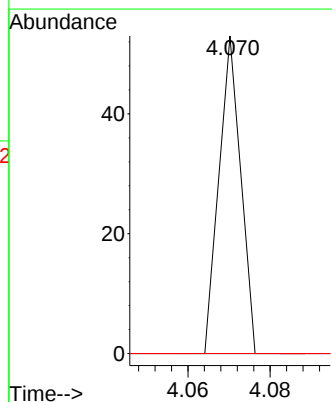
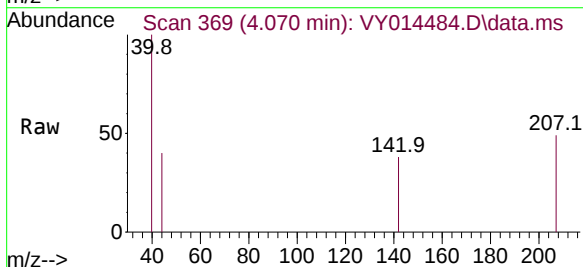
Instrument :
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ClientSampleId :
OR-02-062623RE

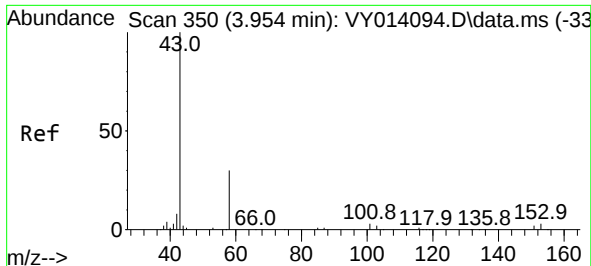
Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 18.817 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.024 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

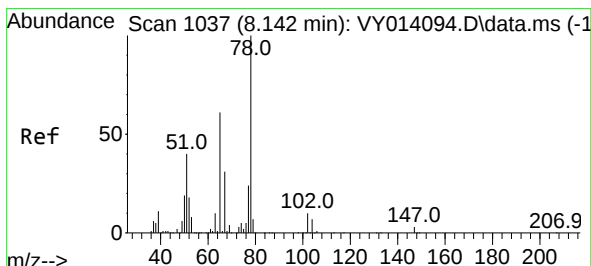
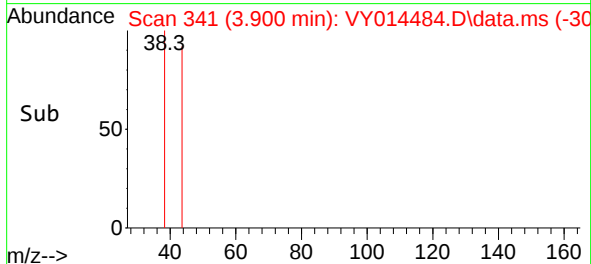
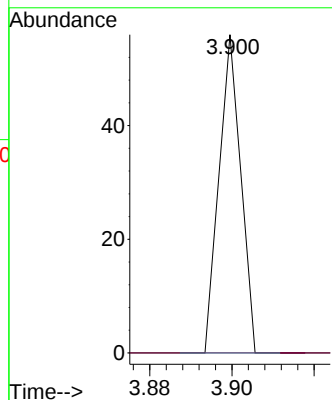
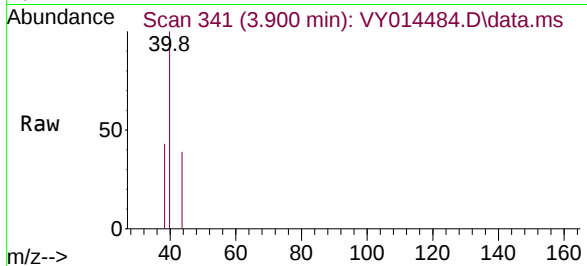




#16
Acetone
Concen: 55.644 ug/l
RT: 3.900 min Scan# 341
Delta R.T. -0.054 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

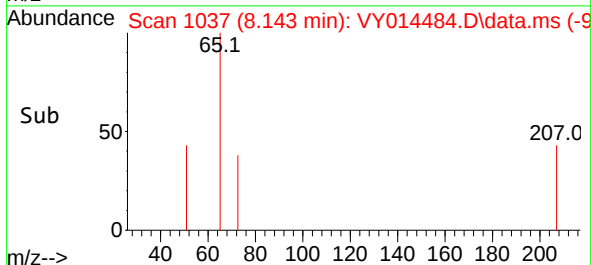
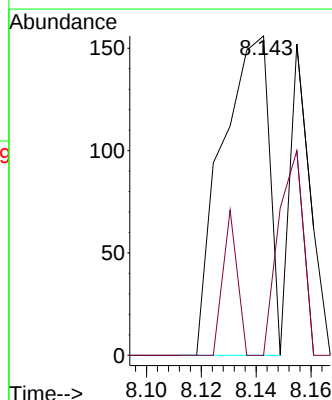
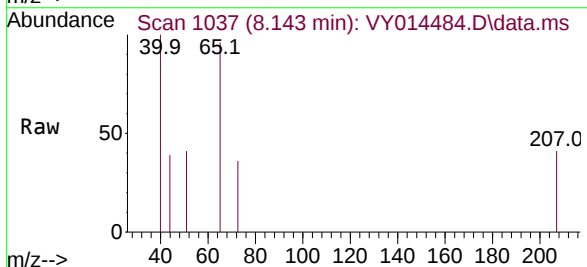
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-062623RE

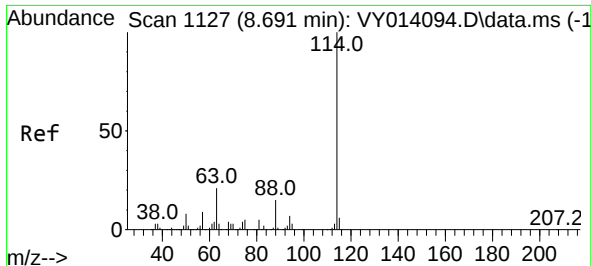
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#33
1,2-Dichloroethane-d4
Concen: 163.710 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Tgt Ion: 65 Resp: 187
Ion Ratio Lower Upper
65 100
67 33.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014484.D

Acq: 28 Jun 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-062623RE

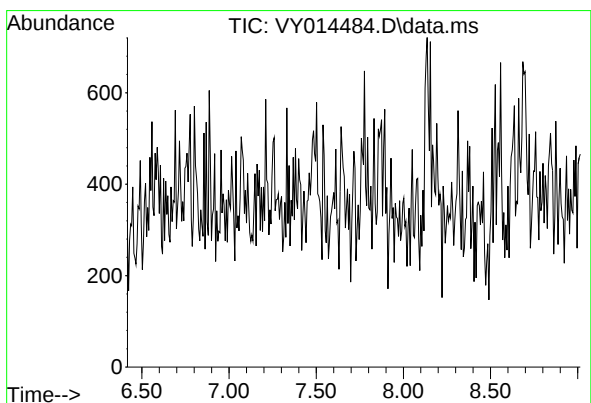
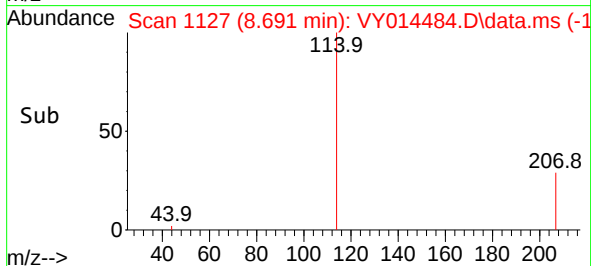
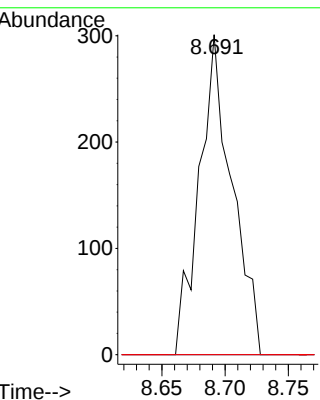
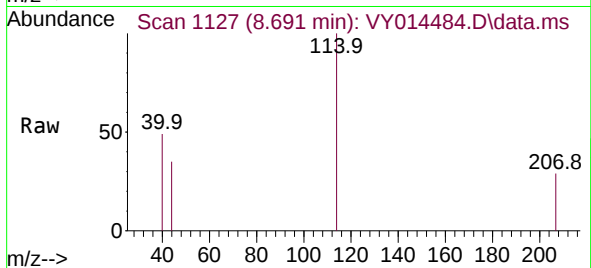
Tgt Ion:114 Resp: 542

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.4

88 0.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.72 min

Lab File: VY014484.D

Acq: 28 Jun 2023 16:32

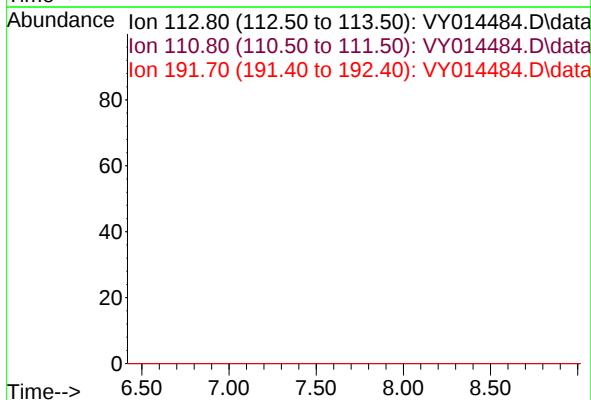
Tgt Ion: 113

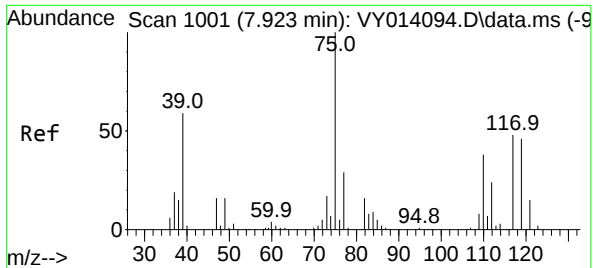
Sig Exp Ratio

113 100

111 101.6

192 21.1





#36

1,1-Dichloropropene

Concen: 9.883 ug/l

RT: 8.088 min Scan# 1028

Delta R.T. 0.165 min

Lab File: VY014484.D

Acq: 28 Jun 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-062623RE

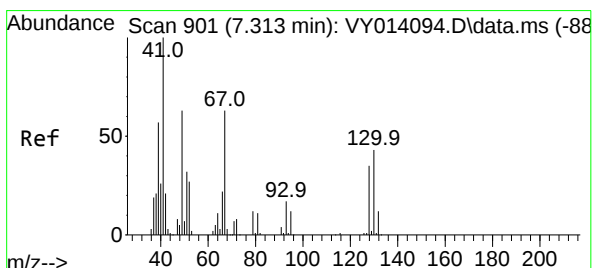
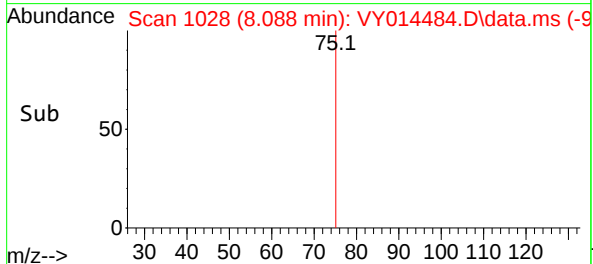
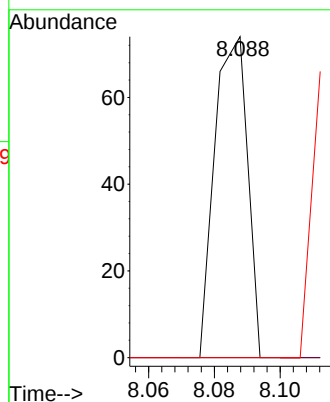
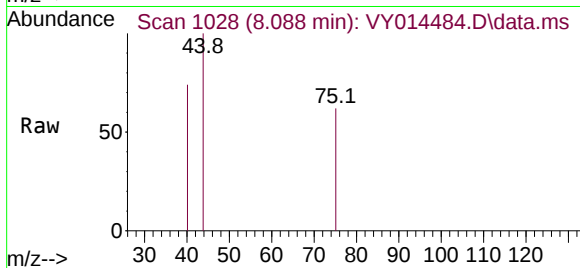
Tgt Ion: 75 Resp: 51

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 26.101 ug/l

RT: 7.253 min Scan# 891

Delta R.T. -0.060 min

Lab File: VY014484.D

Acq: 28 Jun 2023 16:32

Tgt Ion: 41 Resp: 46

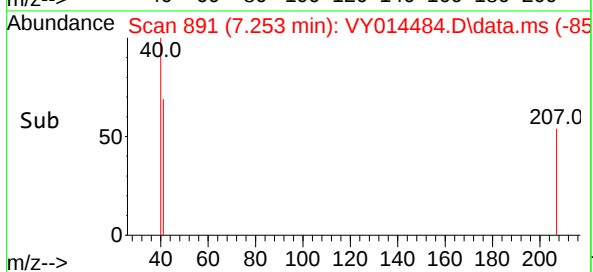
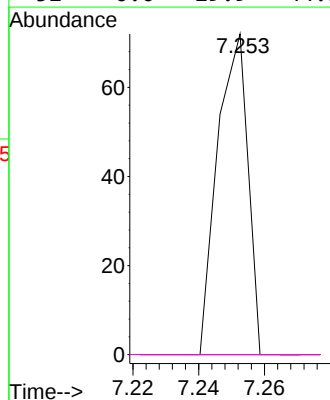
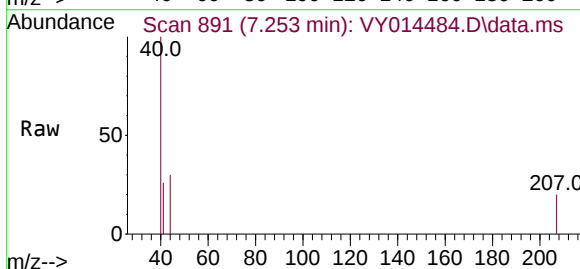
Ion Ratio Lower Upper

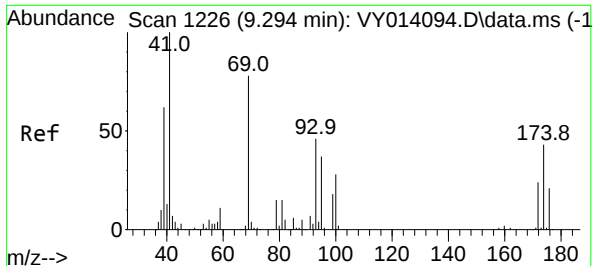
41 100

39 0.0 52.1 78.1#

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#

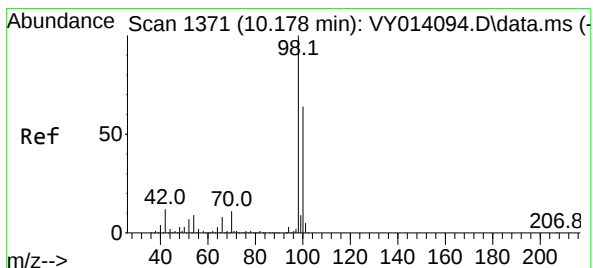
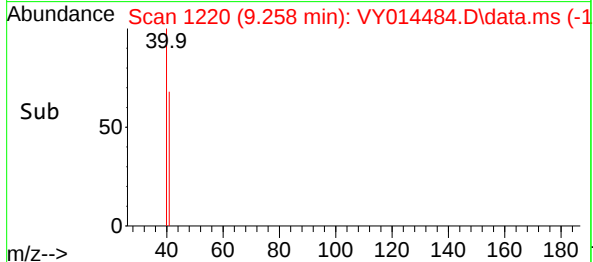
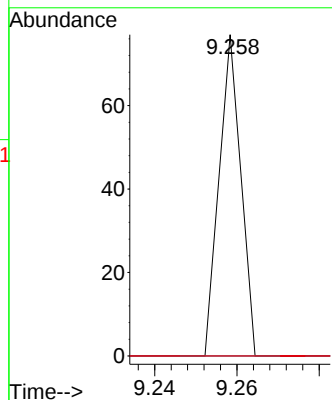
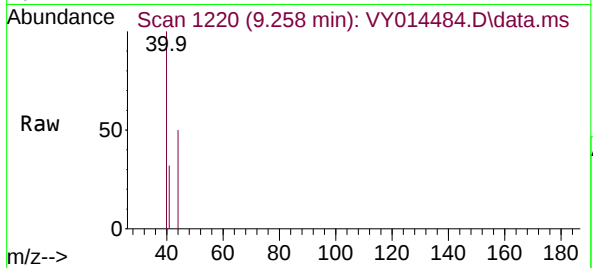




#48
Methyl methacrylate
Concen: 9.601 ug/l
RT: 9.258 min Scan# 11
Delta R.T. -0.036 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

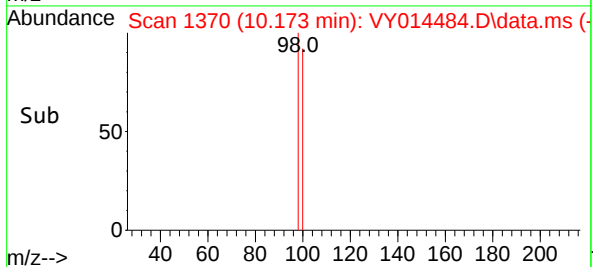
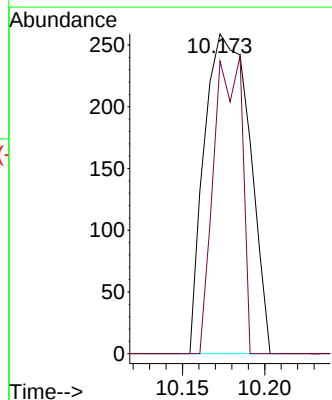
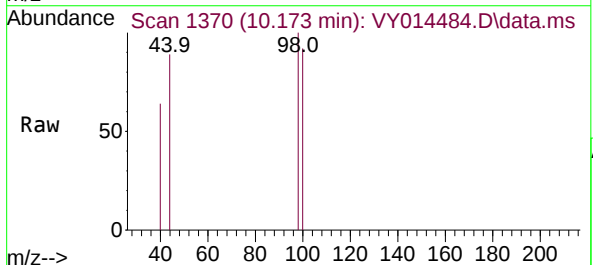
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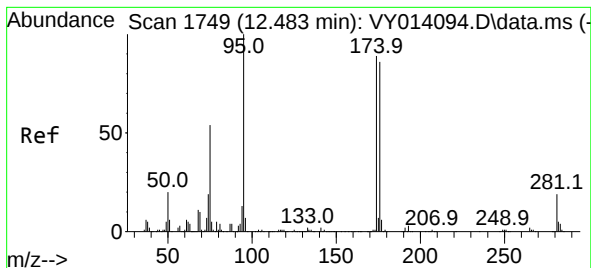
Tgt Ion: 41 Resp: 28
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#



#50
Toluene-d8
Concen: 37.112 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Tgt Ion: 98 Resp: 494
Ion Ratio Lower Upper
98 100
100 58.3 50.1 75.1

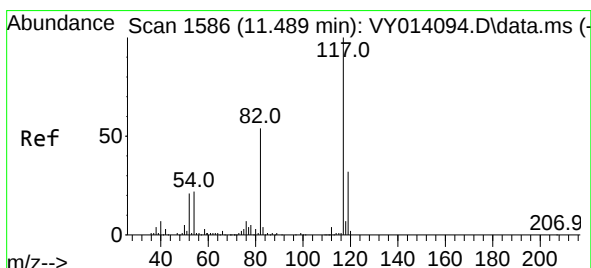
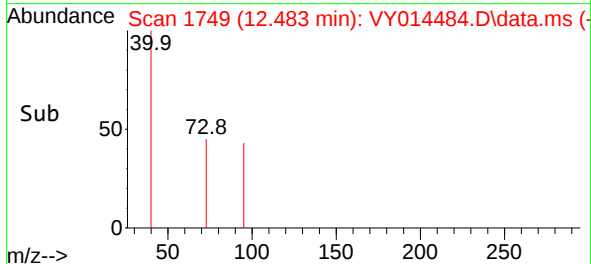
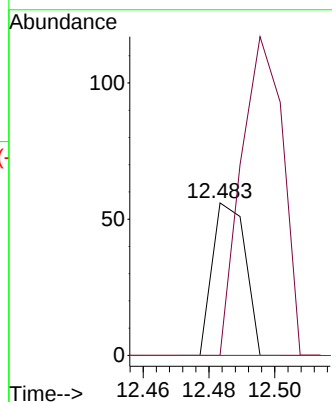
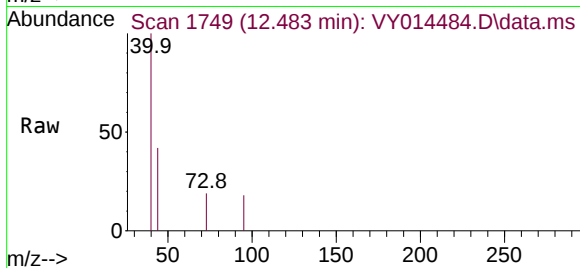




#62
4-Bromofluorobenzene
Concen: 8.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

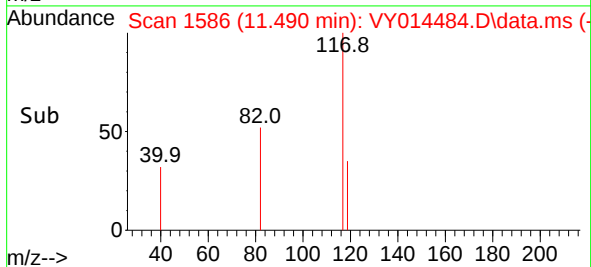
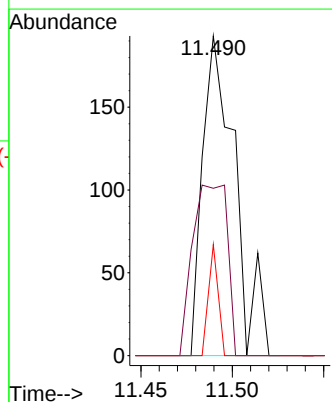
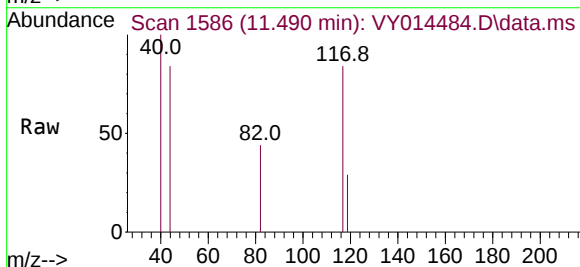
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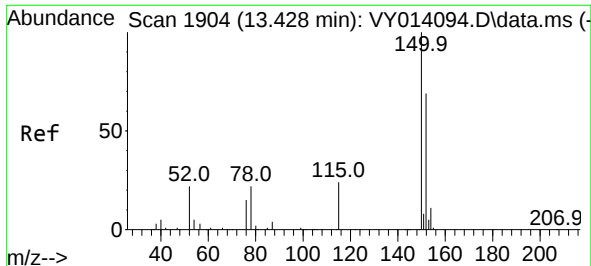
Tgt Ion: 95 Resp: 39
Ion Ratio Lower Upper
95 100
174 261.5 0.0 178.2#
176 0.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Tgt Ion: 117 Resp: 237
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 34.7 26.3 39.5

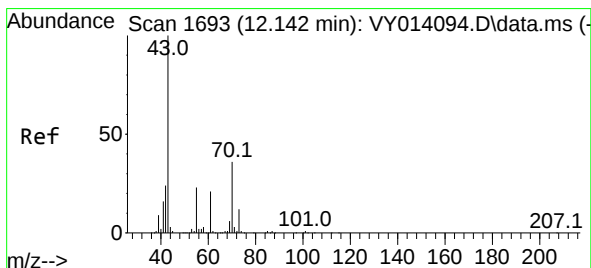
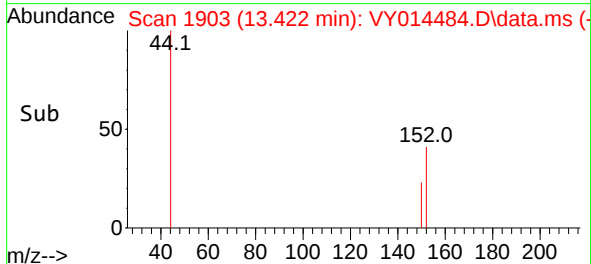
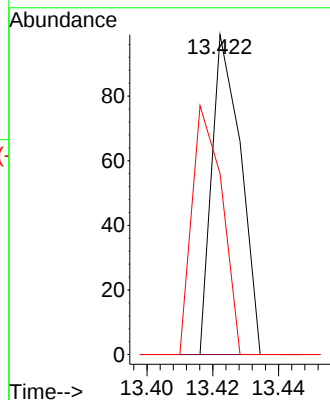
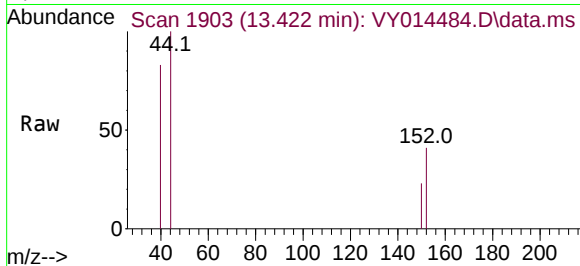




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Instrument :
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Tgt Ion:152 Resp: 60
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 81.7 0.0 348.8



#74
N-ethyl acetate
Concen: 36.733 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY014484.D
Acq: 28 Jun 2023 16:32

Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
70 0.0 29.7 44.5#
55 0.0 18.3 27.5#
61 0.0 17.5 26.3#

